



## Ali Anil Demircali

Postdoctoral Scholar, Molecular Imaging Program at Stanford

### Bio

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#### BIO

Ali Anil Demircali received B.Sc, M.Sc., and Ph.D. degrees in Mechatronics Engineering at Yildiz Technical University, Istanbul, Turkey, in 2015, 2017, and 2021, respectively. Then he pursued his career in optical hollow-core fiber development at the Hamlyn Center for Robotic Surgery in Imperial College London, United Kingdom between 2021 and 2022. He is currently doing a second Post. Doc. in the Department of Radiology, Molecular Imaging Programme (MIPS) at Stanford University, USA. Currently, he is working on magnetically levitated cancer cell separation and sorting with high throughput, and its application on wearable devices. His main areas of research interest are not limited to but include Micro-Nano Robotics and Fluidics, Mechanical Design and Optimization, Magnetic Levitation, and Sensory Systems.

#### HONORS AND AWARDS

- Best Ph.D. Thesis Award, Yildiz Technical University (2022)
- Best Paper Award, TOK (Turkish National Committee for Automatic Control) (2019)
- Best Paper Award, TORK (Turkey Robotics Science Conference) (2019)
- Grant Program for Participation in Scientific Meetings Abroad, The Scientific and Technological Research Council of Turkey (TUBITAK) (2018)
- Best Paper Award, TOK (Turkey Automatic Control Conference) (2017)
- Best Paper Award, 5. National Nanotechnology student conference (NANOKON2017) (2016)
- Outstanding Achievement Scholarship the 1st degree of the department, Yildiz Technical University (2015)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Yildiz University (2021)
- Master of Engineering, Yildiz University (2017)
- Bachelor of Engineering, Yildiz University (2015)
- Ph.D., Yildiz Technical University , Mechatronics Engineer (2021)
- MSc., Yildiz Technical University , Mechatronics Engineer (2017)
- BSc., Yildiz Technical University , Mechatronics Engineer (2015)

#### STANFORD ADVISORS

- Gozde Durmus, Postdoctoral Faculty Sponsor